

12 NOV 1972

MEMORANDUM FOR: Deputy Director for Support

SUBJECT : Requirements for Information Science Training

REFERENCES : (a) Memo dtd 5 July 72 to Ex Dir-Compt.
fr DD/S (DD/S 72-2670)

(b) Memo dtd 13 July 72 to DD/S fr
Ex Dir-Compt., subj: Information
Science Training, (ER 72-3894/3)

1. Paragraph 11 contains a recommendation for the consideration
of the Deputy Director for Support.

2. Reference (a) requested that the Executive Director-Comptroller
provide guidance on the desired level of effort for the information
science training program beyond FY 1973 for the purpose of ascertaining
the resources to be planned for this activity. In response, Reference
(b) directed that the potential customers be contacted for estimates
of their requirements for this training, following which a better over-
all judgment could be made with respect to the total investment needed
for this activity.

3. On 14 July 1972 the Director of Training sent a comprehensive
questionnaire to all Agency offices and staffs requesting their best
estimates of requirements for a variety of courses in the information
science field (Attachment A). In addition to the suggested courses
recipients were encouraged to specify any type of information science
or management science course needed for the development of their employees.
Each addressee was provided with a statement defining the goals of the
overall program and describing the scope of the possible courses.

4. A summary statement of the total requirements is provided in
Attachment B. A further breakdown of these totals for the offices,
staffs, and where appropriate, the divisions of each Directorate are
contained in Attachments C, D, E and F. As you will note from these
attachments the total recorded Agency requirement for information science
training for FY 1974 is for 327 students. Of this number 277 students

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would be enrolled in four specific courses as follows: Information Science for Intelligence -- 42 students; Management Science for Intelligence -- 107 students; Systems Analysis -- 65 students; and Survey of Information Handling Systems -- 63 students. The remainder of the requirement, 51 students, was for several functionally oriented information science workshops described in the succeeding paragraph. Judging from the strong interest generated by the questionnaire in many components it is our view that the negative responses from a number of other large components probably represent unidentified needs. Thus, the estimates provided in this paragraph probably are very conservative and we expect to find that actual applications for enrollment in information science courses in FY 1974 will exceed these estimates.

5. Attachment A invited the recipients of our questionnaire to identify any special requirement not satisfied by the proposed courses. Components identified special needs as follows:

A. Office of Finance, DDS, has a very firm requirement to provide 20 OF careerists with five to six weeks of information science training primarily designed for finance personnel. The Director of Finance has noted that he is prepared to designate two or three finance officers to work with an OTR Staff in developing a course to meet specific requirements in this important area. Although we have met with Office of Finance personnel on several occasions to discuss course content, and although a few of their personnel have attended our on-going course in Information Science for Intelligence, we have not been able to satisfy this standing requirement.

B. Office of Current Intelligence, DDI -- OCI has responded that it is interested in a one-week course aimed specifically at current intelligence needs. In a subsequent conversation with the DTR, the D/OCI has stated that he perceives a need for a course in computer science especially designed for senior officers. He has suggested a course meeting from 1000 to 1500 hours for five days, enabling participants to be at their desks at the beginning and end of each day.

C. Special Research Staff, DDI, has stated that it expects to have information science missions and capabilities for the first time by FY 1974 and may desire two or more special workshops at that time.

D. Imagery Analysis Service, DDI, responded that it is interested in tailoring a course to provide information science techniques to a select group of IAS personnel but would defer specific requests for this training until they gain more experience with the regular course. A senior IAS officer has attended the just completed course in Information Science for Intelligence.

E. National Photographic Interpretation Center, DDI, has recorded a requirement for at least one special workshop for their personnel. It is likely that the IAS and NPLIC requirements can be consolidated in a single course.

F. Special Study Group, DDI, foresees a need for a workshop in the application of information science to indications and warning intelligence. There have been previous expressions of interest from DOD sources for this kind of a course and the now defunct Information Science Center had planned to prepare such a course for FY 1973. [redacted] of CIA was to be the Chief Instructor. The limited staff resources available to OTR have precluded any effort in this direction this year.

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G. The Office of Logistics, DDS, has suggested that a special course might be desirable as SIP8 comes into being.

6. Another very strong indicator of the extent of the interest in this training was derived from the response to the recently offered interagency course in Information Science for Intelligence (four weeks). A total of 130 applications were received for a course accommodating but 27 students. These were received as follows: CIA, 24; DIA, 57; NSA, 40; and Military Services, 9. Thus, the backlog of applicants will carry us at least through FY 1973 without any further announcements of this particular course. The one-week course in Management Science scheduled for the period of 13 - 17 November is even more heavily over-subscribed. There are a total of 262 applicants for this course and they are distributed as follows: CIA, 35; DIA, 67; NSA, 143; Treasury (Customs and Secret Service), 5; and Military Services, 12. This course can accommodate 26 students.

7. Reinforcing the strong interests documented in the preceding paragraphs, Chief, PEG/IC has expressed the conviction in a recent memorandum (Attachment C) that there is a growing realization in the offices producing finished intelligence of the need for adopting advanced analytical methods, and that this need will require expanded training in analytical methods, including the information sciences. Additionally, Chief, PEG/IC speculates that since there are great similarities in the training needs of the various organizations in the intelligence community these organizations may look to the DCI for leadership in fostering arrangements which will provide this training.

8. A practical alternative to a wholly internal information science training program would be to continue a joint intelligence community program with budget, staffing and student participation shared between the concerned agencies. As we see it the advantages and disadvantages of these two courses of action are as follows:

A. Internal Program for Agency Participation Only

(1) Advantages

- Train more Agency personnel more quickly.
- Training objectives wholly Agency oriented.
- Controlled student body with less resultant employee exposure.
- Easier access to Agency systems for training purposes.

(2) Disadvantages

- Higher cost to Agency as space, budget, and staffing our responsibility.
- Larger Agency investment to liquidate when, and if, requirements are fully satisfied.

B. Inter-Agency Program for Intelligence Community Participation

(1) Advantages

- Space, budget and staffing on shared basis with lower cost to Agency.
- More consistent with DCI community role.
- More diversified and better qualified faculty.
- Systems experiences of various agencies shared in training context.

(2) Disadvantages

- Mixed intelligence community student body.
More security problems.
- Agency training needs met at slower rate.
- Training objectives influenced somewhat by other agencies although needs are similar.

9. We are mindful of the guidance provided by the Executive Director-Comptroller in July 1972 in reference (b) to operate an information science training program in FY 1974 and beyond for the exclusive use of CIA personnel and these instructions have guided our planning to date. However, sufficient data is available to us now to appraise the magnitude of the requirements for this training. The accumulation of evidence is sufficient to conclude that heavy requirements exist both internally in the Agency and externally in the intelligence community for this training.

10. In reaching a decision on this matter several considerations are worth noting:

- A. The support decisions with respect to space (amount and location), budget, staffing pattern and course content are materially affected by the direction of our policy in this matter.
- B. Although DIA components have a demonstrated interest in this program, the Defense Intelligence School might oppose continued use of their facilities in FY 1974. Hard bargaining would be involved and agreements would have to be reached at DIA levels above the Defense Intelligence School.
- C. NSA has been a strong advocate of a shared community program and probably would provide significant staff support in FY 1974. A full-time NSA officer is currently detailed to the program and there is evidence of their willingness to detail a second instructor in FY 1974. On the other hand, all NSA support will probably be withdrawn if we adopt an internal program.

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D. Withdrawal from the community effort has not been expressed or implied by this Agency in any communication on this subject to date. Official notification to participating agencies would be required at a very early date. The Intelligence Information Handling Committee of the USIB is still maintaining cognizance of the interagency training effort.

II. Assuming DIA will agree to continue to use Building T-4 at the Defense Intelligence School and the associated remote terminals, I recommend that we continue the interagency training program under CIA management at least through FY 1974 and that we request additional staff assistance for this program from both NSA and DIA. If DIA refuses our request for the use of Building T-4 I recommend we terminate the interagency program and develop a modified program for exclusive Agency participation.

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HUGH T. CUNNINGHAM
Director of Training

Atts

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OTR/ISTS [redacted] sks (10 Nov 72)

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